

THAT WHICH IS CLAIMED IS:

1. Radio-frequency switching device,
comprising at least a first radio-frequency channel and
a second radio-frequency channel connected together at
an input/output terminal, and controllable switching
5 means that can select one of the radio-frequency
channels in response to a switching control signal,
characterised by the fact that the switching means
comprise a control module connected to each radio-
frequency channel, each control module comprising a PIN
10 diode (DPNi) whose cathode is connected to the
input/output terminal (ANT), and a control transistor
(Qi) whose base is connected to an input control (Eci)
designed to receive the switching control signal, and
whose sink is connected to the anode of the PIN diode,
15 and by the fact that the control transistor sink (Qi)
is seen as forming the common node between the PN anode
intersections.

2. Device of claim 1, characterised by the
fact that the control transistor (Qi) is a lateral PNP
transistor.

3. Device of claim 1 or 2, characterised by
the fact that it comprises more than two radio-
frequency channels connected together to the
input/output terminal (ANT).

4. Device of any of the previous claims,
characterised by the fact that it is made in the form
of an integrated circuit.

5. Device of any of the previous claims, characterised by the fact that the input/output terminal comprises a radio-frequency antenna (ANT) and by the fact that the radio-frequency channels have
5 channels dedicated to transmission and channels dedicated to reception.

6. Device of claim 5, characterised by the fact that it has channels respectively dedicated to the different transmission standards which have different frequencies.

7. Terminal that is remote from a cordless communication system, characterised by the fact that it comprises a device according to any of claims 1 to 6.

8. Remote terminal according to claim 7, characterised by the fact that it is a mobile cellular telephone.